

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 2001-305858

(71)Applicant : **FUJI XEROX CO LTD**

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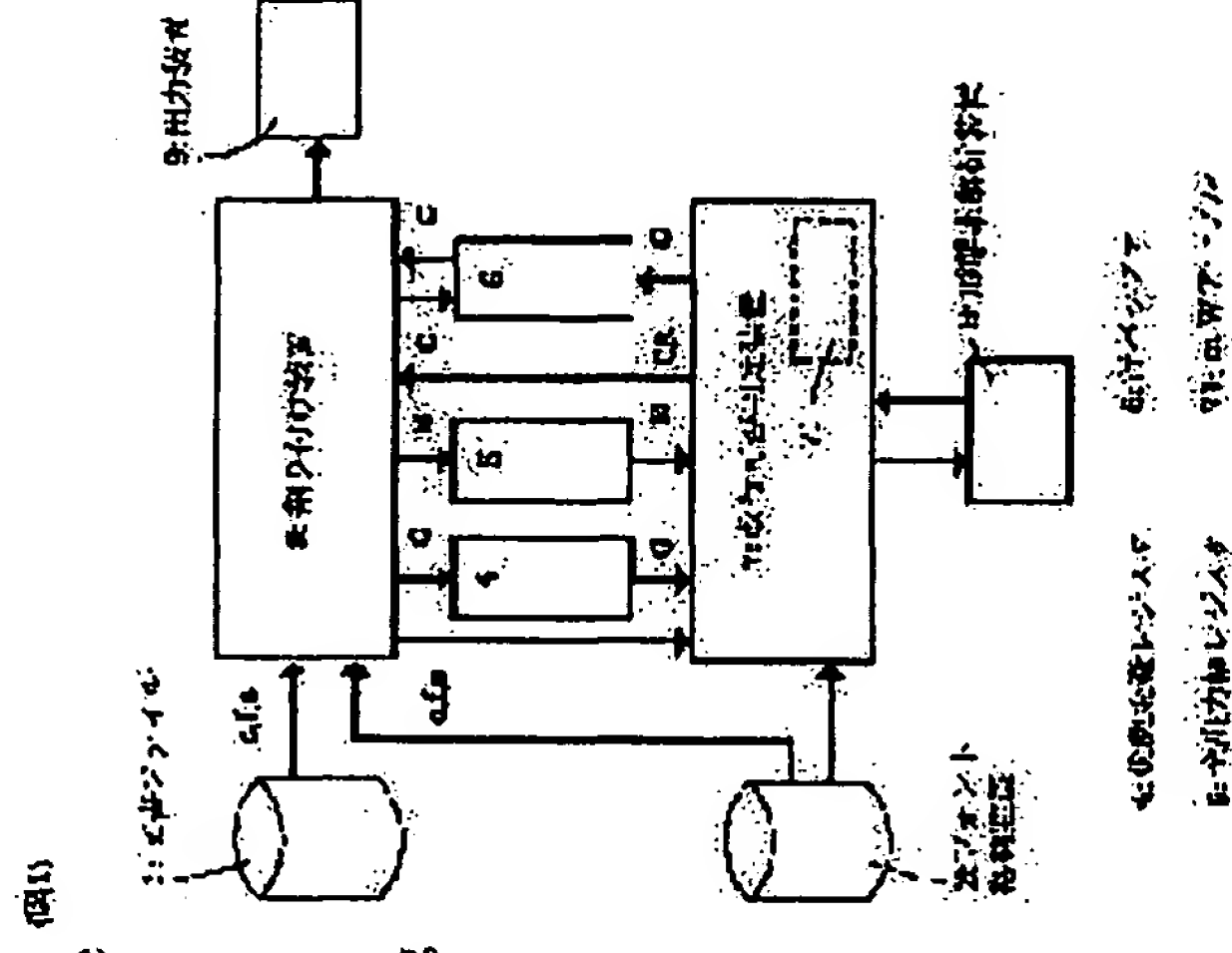
(72) Inventor : YASUI OSAMU

(54) DOCUMENT PROCESSOR

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a document processor capable of precisely determining whether the way of line feed in creating a text is right or wrong so as not to cause the disadvantage in reading the document such as interruption of thinking.

SOLUTION: This document processor is provided with a mechanism for performing parsing for a character string to be output to obtain a first syntactic tree, in which the respective morphemes in the morpheme string are provided as leaves, and a second syntactic tree, in which the respective morphemes in the morpheme string are provided as leaves, a mechanism for performing semantic factoring for a character string to be output to obtain the semantic attribute of the respective morphemes in the morpheme string, and a mechanism for deciding a line feed portion with a morpheme or semantic deep relation and with a suitable length of a character string occupying one line in outputting according to designated evaluation on the suitability of the line feed position and the width in the allocating direction. Required parsing and semantic factoring are performed for the character string to be output, and the position where character string regions especially having deep semantic relation are output in the same line is selected as a line feed position.



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PN - JP2002163250 A 20020607
 TI - DOCUMENT PROCESSOR
 AB - PROBLEM TO BE SOLVED: To provide a document processor capable of precisely determining whether the way of line feed in

creating a text is right or wrong so as not to cause the disadvantage in reading the document such as interruption of thinking. SOLUTION: This document processor is provided with a mechanism for performing parsing for a character string to be output to obtain a first syntactic tree, in which the respective morphemes in the morpheme string are provided as leaves, and a second syntactic tree, in which the respective morphemes in the morpheme string are provided as leaves, a mechanism for performing semantic factoring for a character string to be output to obtain the semantic attribute of the respective morphemes in the morpheme string, and a mechanism for deciding a line feed portion with a morpheme or semantic deep relation and with a suitable length of a character string occupying one line in outputting according to designated evaluation on the suitability of the line feed position and the width in the allocating direction. Required parsing and semantic factoring are performed for the character string to be output, and the position where character string regions especially having deep semantic relation are output in the same line is selected as a line feed position.

FI - G06F17/21&542Z; G06F17/21&550A; G06F17/28&X

PA - FUJII XEROX CO LTD

IN - YASUI OSAMU

AP - JP20010305858 20011001

PR - JP20010305858 20011001

DT - I

FT - 5B009/MB16; 5B009/MC02; 5B009/NB03; 5B009/NF13; 5B009/QA03; 5B091/AA15; 5B091/CA05; 5B091/CA12

IC - G06F17/21; G06F17/28

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AN - 2002-505031 [54]
TI - Japanese language document processing apparatus determines position of new line with respect to prescribed character row based on evaluated row length, width of row allotment
AB - NOVELTY : A determination unit (8) determines the position of new-line with respect to prescribed character row based on the evaluated row length and width of row allotment. An output device (9) outputs the analysis result of new-line syntactically and semantically.

- USE : Japanese language document processing apparatus.

- ADVANTAGE : Eliminates the error of inserting new line by determining accurate position of new line.

- DESCRIPTION OF DRAWINGS : The figure shows the block diagram of the document processing device. (Drawing includes non-English language text). 8 : Determination unit 9 : Output device

IW - JAPAN LANGUAGE DOCUMENT PROCESS APPARATUS DETERMINE POSITION NEW LINE RESPECT PRESCRIBED CHARACTER ROW BASED EVALUATE LENGTH WIDTH ALLOT

PN - JP2002163250 A 20020607 DW200254

IC - G06F17/21; G06F17/28

MC - T01-J11A

DC - T01

PA - (XERF) FUJI XEROX CO LTD

IN - YASUI O

AP - [Div Ex] JP19930119236 19930423; JP20010305858 19930423

PR - JP19930119236 19930423; JP20010305858 19930423



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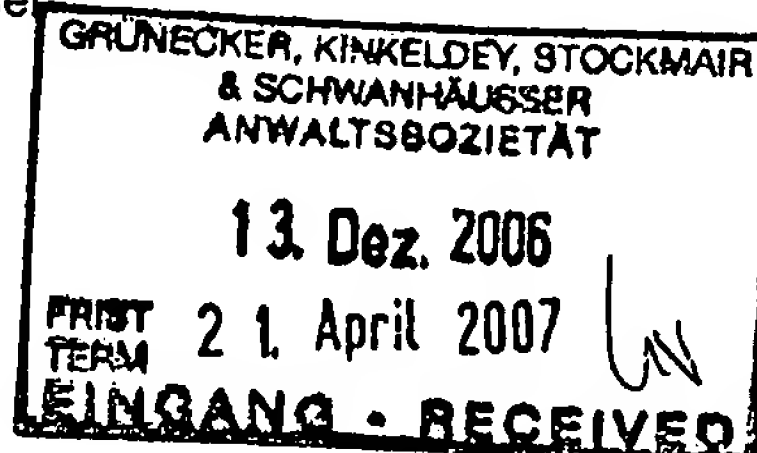
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Application No. 03 012 830.0 - 2211	Ref. EP27605-034/Peu	Date 11.12.2006
Applicant MICROSOFT CORPORATION		

Communication pursuant to Article 96(2) EPC

The examination of the above-identified application has revealed that it does not meet the requirements of the European Patent Convention for the reasons enclosed herewith. If the deficiencies indicated are not rectified the application may be refused pursuant to Article 97(1) EPC.

You are invited to file your observations and insofar as the deficiencies are such as to be rectifiable, to correct the indicated deficiencies within a period

of 4 months

from the notification of this communication, this period being computed in accordance with Rules 78(2) and 83(2) and (4) EPC.

One set of amendments to the description, claims and drawings is to be filed within the said period on separate sheets (Rule 36(1) EPC).

Failure to comply with this invitation in due time will result in the application being deemed to be withdrawn (Article 96(3) EPC).



Lo Turco, Salvatore
Primary Examiner
for the Examining Division

Enclosure(s): 5 page/s reasons (Form 2906)

**Bescheid/Protokoll (Anlage)**

Datum
Date
Date 11.12.2006

Communication/Minutes (Annex)

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Notification/Procès-verbal (Annexe)

Anmelde-Nr.:
Application No.: 03 012 830.0
Demande n°:

The examination is being carried out on the **following application documents:**

Description, Pages

1, 2, 4-21	as originally filed			
3, 3a, 22	received on	16.12.2004	with letter of	16.12.2004

Claims, Numbers

1-47	received on	16.12.2004	with letter of	16.12.2004
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Drawings, Sheets

1/6-6/6	as originally filed
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In reply to the applicant's communication dated December the 16th, 2004 with reference EP27605RK006pag, the following comments are submitted.

Reference is also made to the document (D1) of the examiner's first communication dated August the 8th, 2004.

2. Article 123(2) EPC

The amended set of claims filed with the applicant's reply communication is not considered to be allowable, the reason therefor being that it violates the Article 123(2) EPC. In particular, the following added subject-matter is considered to extend beyond the content of the application as originally filed:

- the expressions "to the functionality of the application and a document created by the application" and "wherein the solution comprises the updates or additions to the document functionality" introduced in present independent claims 1 and 37;

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Date 11.12.2006
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Sheet 2
FeuilleAnmelde-Nr.:
Application No.: 03 012 830.0
Demande n°:

- the expression "whereby the step of ... comprises: ..." introduced for instance in present dependent claim 2 and throughout the whole set of claims, the reason therefor being that the term "comprise" is considered to have a broader scope when used for drafting patent claims;
- the expression "the manifest comprises a data file of software components" introduced in present dependent claim 5;
- the expression "the prescribed frequency comprises a time interval" introduced in present dependent claim 13;
- the expression "the trusted digital signature is an allowed digital signature" introduced in present dependent claim 29; and
- the expression "a specific digital signature" introduced in present dependent claim 30.

The applicant is requested to amend these expressions and/or to indicate the passages of the application as filed on which these amendments are based. As already stated in the previous examiner's communication, in order to indisputably follow the provision of Article 123(2) EPC, it would be preferable to amend said expressions with definitions textually based on the application as originally filed.

In consideration of this objection, the examination of the application with respect to the requirements of clarity, novelty and inventive step will continue as if these amendments had never been carried out.

3. Clarity

In view of the above arguments on Article 123(2) EPC, the objections raised in section 3.1 (except for the second and the last bullet points) and in section 3.2 of the examiner's previous communication are maintained in relation to the present set of claims, mutatis mutandis.

4. Novelty and Inventive Step

As already mentioned in the examiner's previous communication, document D1, which is



provisionally considered to represent the most relevant state of the art, discloses [see D1 column 3 lines 22-30] a form-based development environment for partitioning an application such that it can be seamlessly integrated into corporate Webs. In particular, the system of D1 is used to implement a form as an "application page" and published as an ActiveX object. Once the form is built into an ActiveX object and digitally signed, it can be downloaded to a client and run in a Web browser, such as Microsoft Internet Explorer. Of particular interest is a technique [see D1 column 3 lines 31-38 and from column 8 line 10 to column 9 line 11] for associating a host application with a document through a use of MIME (Multipurpose Internet Mail Extension) types. MIME provides a standardized technique for packaging a document object. It includes a MIME header for indicating which application is appropriate for hosting the document as well as information necessary to create a document. The method/system of prior art document D1 provides an automatic program code downloading method for Internet-based computer applications that deals with documents having MIME type associated, the MIME type containing information necessary to create a document.

In his reply letter, the applicant claims that the system of the application is new over D1 mainly because the new independent claims 1 and 37 relate to the provision of updates and additions to the functionality of a software application or a document while document D1 relates to a system for Internet-based delivery of computer applications [see the applicant's reply communication on page 4, lines 14-19]. In this regard, the examiner draws the attention of the applicant to the fact that it is explicitly stated that the system of D1 may be used for the purpose of updating the local copy [see D1 column 3 lines 45-47]. Therefore, said arguments put forth by the applicant are not considered to be convincing to prove the novelty and inventive step of the present application.

Moreover, notwithstanding the aforementioned objections on clarity and insofar as the present wording of the present set of claims can be understood in the light of the description, the present application does not meet the requirements of Article 52(1) EPC, because the subject matter of present claims 1 and 37 is not new in the sense of Article 54(1) and (2) EPC.

4.1 Independent claims 1 and 37

The subject-matter of present independent claim 1 is disclosed in D1.

A method of downloading software components from a remote source to a software



application [the specific "software components" of D1 are the "applications to be integrated into a Website, published as ActiveX objects, downloaded to a client and run in a Web browser", see D1 column 3, lines 22-30] *for providing updates or additions to the functionality of* [Art. 123(2) EPC] *the application and a document* [see D1 column 3 lines 45-47, wherein this possibility is explicitly stated] ~~created by the application~~ [Art. 123(2) EPC], *the method comprising the steps of:*

- *attaching a schema to a document, wherein the schema defines permissible data content, data type and data structure for the document* [see D1 column 3 lines 31-38 and from column 8 line 10 to column 9 line 11, wherein a technique for associating a host application with a document through a use of MIME (Multipurpose Internet Mail Extension) types is disclosed],
- *structuring the document to associate the document with the schema* [see previous comment],
- *associating a solution* [Art. 84 EPC] *with the document structure, wherein the solution comprises the updates or additions to the document functionality* [Art. 123(2) EPC],
- *assembling a plurality of software components* [this feature is implicitly disclosed in D1] ~~comprising the solution at a location remote from the document~~ [Art. 84 EPC],
- *enabling the document to call the solution to* [Art. 84 EPC], *obtain functionality provided by the plurality of software components, and*
- *downloading the plurality of software components to the application for provision of the functionality to the document* [see D1 column 3, lines 22-30, wherein this possibility is explicitly stated].

The same objection holds, mutatis mutandis, for independent claim 37.

4.2 Dependent claims 2-36 and 38-47

The additional features disclosed in present dependent claims 2-36 and 38-47 are either implicitly disclosed in D1 or considered to be within the capabilities of the skilled person, and therefore, they do not appear to add anything inventive to the subject-matter of the claims on which they depend.

5. Final comments

It is not at present apparent which part of the application could serve as a basis for a new, allowable claim and refusal of the application under Article 97(1) EPC is therefore to be



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Communication/Minutes (Annex)

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Application No.: 03 012 830.0
Demande n°:

expected. Should the applicant nevertheless regard some particular matter as inventive, an independent claim including such matter should be filed taking into account the above comments. In this case, the applicant is requested to provide convincing arguments, preferably adopting a problem solution approach, regarding why a certain difference would not be regarded as obvious by a person skilled in the relevant technical field and also having knowledge of said prior art teaching of D1.

5.1 When filing amended claims the applicant should at the same time bring the description into conformity with the amended claims. Care should be taken during revision, especially of the introductory portion and any statements of problem or advantage, not to add subject matter which extends beyond the content of the application as originally filed (Article 123(2) EPC).

5.2 In order to facilitate the examination of the conformity of the amended application with the requirements of Article 123(2) EPC, the applicant is requested to clearly identify the amendments carried out, irrespective of whether they concern amendments by addition, replacement or deletion, and to indicate the passages of the application as filed on which these amendments are based. In order to indisputably follow the provision of Article 123(2) EPC, it would be preferable that said amendments be textually based on the description.